Yelp Dataset Tables and Metadata with Data Types

1. Business Table

Primary Key: business\_id (VARCHAR)

Columns:

name (VARCHAR)

address (VARCHAR)

city (VARCHAR)

state (VARCHAR)

postal\_code (VARCHAR)

latitude (FLOAT)

longitude (FLOAT)

stars (FLOAT)

review\_count (INT)

is\_open (BOOLEAN)

attributes (JSON)

categories (VARCHAR)

hours (JSON)

2. Review Table

Primary Key: review\_id (VARCHAR)

Foreign Keys: business\_id (VARCHAR), user\_id (VARCHAR)

Columns:

stars (INT)

useful (INT)

funny (INT)

cool (INT)

text (TEXT)

date (DATE)

3. User Table

Primary Key: user\_id (VARCHAR)

Columns:

name (VARCHAR)

review\_count (INT)

yelping\_since (DATE)

useful (INT)

funny (INT)

cool (INT)

elite (VARCHAR)

friends (VARCHAR)

fans (INT)

average\_stars (FLOAT)

compliment\_\* (INT) (various compliment columns)

4. Checkin Table

Primary Key: None (Composite key of business\_id (VARCHAR) and date (DATE))

Columns:

date (DATE)

5. Tip Table

Primary Key: None (Composite key of business\_id (VARCHAR), user\_id (VARCHAR), and date (DATE))

Columns:

text (TEXT)

date (DATE)

compliment\_count (INT)

6. Photo Table

Primary Key: photo\_id (VARCHAR)

Columns:

caption (VARCHAR)

label (VARCHAR)

Second Dataset (Restaurant Inspections)

Primary Key: CAMIS (INT)

Columns:

Most are VARCHAR, except:

ZIPCODE, SCORE (INT)

INSPECTION DATE, GRADE DATE, RECORD DATE (DATE)

Latitude, Longitude (FLOAT)

Third Dataset (Restaurant Reviews)

Primary Key: URL (VARCHAR)

Columns:

Most are VARCHAR, except:

price\_per\_person (VARCHAR, but could be processed to INT or FLOAT)

overall\_rating, food, service, ambiance (FLOAT)

reviews (INT)

Second Dataset (Restaurant Inspections)

Primary Key: CAMIS (INT)

Columns:

Most are VARCHAR, except:

ZIPCODE, SCORE (INT)

INSPECTION DATE, GRADE DATE, RECORD DATE (DATE)

Latitude, Longitude (FLOAT)

Third Dataset (Restaurant Reviews)

Primary Key: URL (VARCHAR)

Columns:

Most are VARCHAR, except:

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